

United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

SEPTEMBER 1933

Any of the publications listed herein may be purchased from the Superintendent of Documents, Government Printing Office, Washington, D.C. As his office is not connected with the Department, PLEASE SEND NO REMITTANCE to the United States Department of Agriculture.

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

The disinfection of stables. George W. Pope. Bureau of Animal Industry. 13 p., illus. (F.B. 954F., rev.) Price, 5¢.

Harvesting and storing ice on the farm. John T. Bowen. Bureau of Agricultural Engineering. 25 p. illus. (F.B. 1078F., rev.) Price, 5¢.

Rabbit parasites and diseases. Benjamin Schwartz and W. B. Shook. Bureau of Animal Industry. 30 p., illus. (F.B. 156SF., rev.) Price, 5¢.

LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

Cross-blocking sugar beets by machine. E. M. Mervine. Bureau of Agricultural Engineering. A. W. Skuderna. Bureau of Plant Industry. 6 p., illus. (Leaf. 97L.) Price, 5¢.

Describes the machine set-ups by which sugar beets may be satisfactorily blocked by machine. Tests show definitely that mechanical blocking may be substituted for hand blocking.

Huron timothy. Morgan W. Evans. Bureau of Plant Industry. 5 p., illus. (Leaf. 99L.) Price, 5¢.

Stresses the peculiar adaptation requirements of Huron timothy and presents practical recommendations for the production of this variety of hay in many sections of the country where it was at first unsuccessfully grown.

Injury to buildings by termites. Thos. E. Snyder. Bureau of Entomology. 8 p., illus. (Leaf. 101L.) Price, 5¢.

Describes termites and the damage they do, and lists the types of construction most likely to be invaded. Risk from termites can be prevented by strict observance to the recommendations herein given.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

Changes in quantity and composition of fat in hogs fed a peanut ration followed by a corn ration. N. R. Ellis. Bureau of Animal Industry. 14 p. (T.B. 368T.) Price, 5¢.

A study of the quantitative relationship of storage of fat to firmness in hogs as influenced by the use of peanuts and of corn in successive feeding periods.

Pima Egyptian cotton in irrigated rotations at the Yuma Field Station, Bard, Calif. Stephen H. Hastings and Edward G. Noble. Bureau of Plant Industry. 31 p., illus. (T.B. 339T.) Price, 5¢.

Furnishes information urgently needed by prospective cotton growers regarding types and varieties of cotton, methods of planting, irrigation, and tillage of the crop, and means of producing adequate supplies of seed for planting each year.

A classification of North American Agallian leaf hoppers. P. W. Oman. Bureau of Entomology. 94 p., illus. (T.B. 372T.) Price, 10¢.

Treats of the problems involved in insect interrelationship and the requirements for accurate identification of species in this group. Of prime value to entomologists.

Selective logging in the shortleaf and loblolly pine forests of the Gulf States region.

R. D. Garver and R. H. Miller. Forest Service. 54 p. (T.B. 375T.) Price, 5¢.

Selective logging or selective cutting of our pine forests correlates present-day silvicultural and economic requirements in a practical way. This bulletin treats the subject in an interesting manner and contains many helpful suggestions for the forester.

Alpine kalmia (*Kalmia microphylla*) as a stock-poisoning plant. A. B. Clawson.

Bureau of Animal Industry. 10 p., illus. (T.B. 391T.) Price, 5¢.

Describes experiments to determine the toxicity of alpine kalmia and gives helpful recommendations for the protection of grazing animals. Of special value to livestock owners.

Observations on the thermal death points of *Anastrepha ludens* (Loew.) Hugh

H. Darby and E. M. Kapp. Bureau of Entomology. 19 p., illus. (T.B. 400T.)

Price, 5¢.

A study of the reactions to temperature changes of *Anastrepha ludens* in its larval, pupal, and adult stages. Applications of these findings to the sterilization of vegetable products is suggested.

CIRCULARS

This series carries the less technical and more informal material of the same nature as that in the Technical Bulletin series.

United States grades, color standards, and packing requirements for honey.

Bureaus of Entomology and Agricultural Economics. 28 p. (Cir. 24C., rev.)

Price, 5¢.

Effects of time of planting and of fertilizer mixtures on the curly-top resistant sugar-beet variety U.S. No. 1 in Idaho. A. W. Skuderna and C. E. Cormany.

Bureau of Plant Industry. L. A. Hurst. Bureau of Chemistry and Soils.

16 p. (Cir. 273C.) Price, 5¢.

Describes the utilization of a curly-top resistant sugar-beet variety in affected areas. Proper fertilizing for these crops is discussed and recommendations of practical value to commercial sugar-beet growers are given.

Comparison of a trench silo with an upright silo. J. R. Dawson and A. G. Van

Horn. Bureau of Dairy Industry. 16 p. (Cir. 274C.) Price, 5¢.

Points out the advantages and disadvantages of a trench silo and an upright silo. The costs of filling the silos and removing the silage from them are computed, and the costs of construction given.

The Katahdin and Chippewa potatoes. C. F. Clark, William Stuart, and F. J. Stevenson. Bureau of Plant Industry. 8 p., illus. (Cir. 276C.) Price, 5¢.

Describes in detail the cultural methods for propagating these new potato varieties, Katahdin and Chippewa, which are resistant to mild mosaic.

The Oriental moth (*Cnidocampa flavescens* Walk.) and its control. C. W. Collins. Bureau of Entomology. 8 p., illus. (Cir. 277C.) Price, 5¢.

A study of the introduction and spread of the Oriental moth in this country. Control in its early stage is effected by spraying with lead arsenate. Crushing or hand-picking and destroying the cocoons is also suggested.

The commercial storage of fruits, vegetables, and florists' stocks. Dean H. Rose, R. C. Wright, and T. M. Whiteman. Bureau of Plant Industry. 40 p. (Cir. 278C.) Price, 5¢.

Summarizes the essential average storage requirements of more important varieties of fresh fruits, vegetables, cut flowers, and other perishable commodities which are commercially marketed.

Grades of peat and muck for soil improvement. A. P. Dachnowski-Stokes. Bureau of Chemistry and Soils. 31 p., illus. (Cir. 290C.) Price, 5¢.

Describes how soil may be improved by maintaining and increasing the content of organic matter. The efficacy of commercial fertilizers and the value of peat in improving soil conditions are carefully set forth, and a definite program for preventing soil depletion is recommended.

Fight grasshoppers by plowing stubble. J. R. Parker, Bureau of Entomology. 4 p. (Cir. 302C.) Price, 5¢.

Plowing stubble land is an effective method of killing grasshoppers. The cooperative action of farmers in grasshopper-infested districts is urgently recommended for ridding such areas of these pests.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

Winter feeding of wild life on northern farms. Wallace B. Grange. Bureau of Biological Survey. 12 p., illus. (M.P. 159MP.) Price, 5¢.

Winter feeding of our wild life should be considered as a definite program to follow. With farming and other industrial operations constantly encroaching on the former domain of wild life, the provision of food during periods of stress, particularly in winter, is especially important.

Proposed revised Federal grain standards, including explanations. Bureau of Agricultural Economics. 159 p. (M.P. 173MP.) Price, 10¢.

A summary presenting for public consideration studies made as to possibilities for improving standards for wheat, rye, corn, oats, feed oats, barley, and grain sorghums promulgated since 1916, and for establishing new standards for mixed grain.

STATISTICAL BULLETINS

Tables giving statistics relating to one or more closely related agricultural commodities. Of interest to persons engaged in marketing or any business affected by agricultural production.

Car-lot shipments of fruits and vegetables from stations in the United States for the calendar years 1930 and 1931. Bureau of Agricultural Economics. 151 p. (S.B. 42S.) Price, 10¢.

SOILS SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area surveyed and to soil specialists. All requests for Soil Surveys are referred to the Bureau of Chemistry and Soils, which controls their distribution.

Arizona, The Nogales Area. (No. 6, series 1930.) Price, 20¢.

New York, Erie County. (No. 14, series 1929.) Price, 30¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information, to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Amendments to regulations 11, 16, 17, and 18, B.A.I. Order 211, revised (regulations governing the meat inspection of the United States Department of Agriculture.) Bureau of Animal Industry. 1 p. (Amendment 7 to B.A.I. Order 211, rev.)¹

Service and regulatory announcements, Bureau of Animal Industry. July 1933. pp. 61-71. (S.R.A.-B.A.I. 315.) Price, 5¢.

Official standards for potatoes; amendment no. 2 to Service and Regulatory Announcements no. 93, revised. Bureau of Agricultural Economics. Effective September 1933. 4 p. (S.R.A.-B.A.E. 93. Amend. 2.)

Migratory Bird Treaty Act regulations and text of Federal laws relating to game and birds. Bureau of Biological Survey. 20 p. (S.R.A.-B.S. 78.)¹

Notices of judgment under the Caustic Poison Act. Food and Drug Administration. 2 p. (N.J., C.P. 12-15.)¹

Definitions and standards for food products. Food and Drug Administration. 20 p. (S.R.A., F.D. no. 2, rev. 4.)¹

Fruit and vegetable quarantine; amendment no. 6 of regulations supplemental to Notice of Quarantine no. 56. Revision of regulation 2. Effective August 1, 1933. 1 p. (B.P.Q.-Q. 56.)¹

OTHER PUBLICATIONS

Forage crops in the Matanuska region, Alaska. H. W. Alberts. Alaska Agricultural Experiment Station. 14 p., illus. (Alaska Bul. 11.) Price, 5¢.

Report of extension work in agriculture and home economics in the United States, 1932. 81 p. Price, 10¢.

¹These may be obtained from the issuing bureau.



PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 17, no. 9. September 1, 1933. Price, 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.²

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

Crops and markets. Vol. 9, 1932. Index; vol. 10, no. 8, July 1933. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.²

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States; 20¢ a month, \$2.40 a year.²

Journal of agricultural research. Price, \$2.25 a year domestic; \$3.50 a year foreign. Not distributed free to individuals. Each issue, price 10¢. Reprints, 5¢ each.²

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

— vol. 47, no. 4. Illus. August 15, 1933.

Contents:

Studies on physiologic specialization in *Tilletia tritici* and *T. levis* in the Pacific Northwest. Key no. G-854. H.H. Flor.

A morphological study of flower and seed development in cabbage. Key no. G-858. Ross C. Thompson.

The inheritance of some plant colors in cabbage. Key no. Ohio-13. Roy Macgruder and C. H. Myers.

The composition of feedstuffs in relation to nutritional anemia in cattle. Key. no. Fla-9. W. M. Neal and R. B. Becker.

Public roads. Vol. 14, no. 6, August 1933. Illus. Price, 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.²

The official record. Index to Vol. 12, January 7 to July 1, 1933. Price, 5¢.

Weekly weather and crop bulletin. Nos. 36-39, September 5, 12, 19, 26, 1933. Price, 50¢ a year, domestic; \$1 a year, foreign.²

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

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² Payable to the Superintendent of Documents, Government Printing Office, Washington, D.C.